

IN THE CLAIMS AMEND

1. (Original) An artificial bone comprising:
  - a substrate material, wherein the substrate material comprises a plurality of closed cells;and
  - at least one of a suppression component impregnated into at least one of the plurality of closed cells; and an x-ray component dispersed within the substrate material.
2. (Original) The artificial bone of claim 1 further comprising each of the suppression component and the x-ray component.
3. (Original) The artificial bone of claim 1 wherein the substrate material comprises a polyurethane material having a plurality of closed cells.
4. (Original) The artificial bone of claim 1 wherein the substrate material comprises one of the group consisting of: polyethylene, polypropylene and polymeric resins.
5. (Original) The artificial bone of claim 1 wherein the x-ray component comprises a plurality of barium components.
6. (Currently Amended) The artificial bone of claim 1 wherein the x-ray component comprises ~~approximately~~ about 10% by weight of the substrate material.

7. (Original) The artificial bone of claim 1 wherein the suppression component comprises a propylene glycol material.

8. (Original) The artificial bone of claim 1 wherein the suppression component comprises one of the group consisting of: water, ethylene glycol, oils, polar and non-polar solvents, lotions and mixtures thereof.

9. (Currently Amended) A method of manufacturing an artificial bone comprising the steps of:

- providing a substrate base material;
- ~~optionally mixing an x-ray component into the substrate base material;~~
- curing the substrate base material into a substrate; and
- optionally at least one of:
  - mixing an x-ray component into the substrate base material and
  - impregnating the substrate with a suppression component,

~~wherein at least one of the steps of mixing and impregnating are executed such that the resulting~~  
to, in turn, provide an artificial bone that includes at least one of the x-ray component and the suppression component.

10. The method of claim 9 wherein the step of impregnating comprises the steps of:

- placing the substrate within an autoclave;
- introducing the suppression component; and
- elevating the pressure within the autoclave for a predetermined period of time.

11. The method of claim 9 further comprising the step of placing the substrate base material into a mold prior to the step of curing.
12. The method of claim 9 further comprising the step of finishing the outer surface of the substrate after the step of curing.
13. The method of claim 9 wherein each of the steps of mixing and impregnating are executed such that the resulting artificial bone includes each of the x-ray component and the suppression component.